



## SEQUENCE LISTING

&lt;110&gt; Markham and Bonthron

&lt;120&gt; Wound Healing and Orofacial Clefting

&lt;130&gt; 59367

&lt;140&gt; 09/869,564

&lt;141&gt; 2001-06-29

&lt;150&gt; PCT/GB00/00003

&lt;151&gt; 2000-01-06

&lt;150&gt; GB9900167.9

&lt;151&gt; 1999-01-06

&lt;160&gt; 38

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 4997

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (85)..(2283)

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Pro Pro Pro Val Lys Val Ala Arg Leu Glu Gln Asn Gly Ser Pro Met  
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Gln His Pro Gln Ala Ile Asn Gln Gln Phe Leu Asn His Pro Pro Ile	
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Pro Arg Ala Val Lys Pro Glu Pro Thr Asn Ser Ser Val Glu Val Ser	
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Pro Asp Ile Tyr Gln Gln Val Arg Asp Glu Leu Lys Arg Ala Ser Val	
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Ser Gln Ala Val Phe Ala Arg Val Ala Phe Asn Arg Thr Gln Gly Leu	
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Glu Ile Gln Gln Glu Met Lys Arg Ala Lys Val Ser Gln Ala Leu Phe	
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Lys Glu Cys Pro Leu Ser Gln Ser Met Ile Ser Ser Ile Val Asn Ser  
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Asn Met Asn Gln Leu Ala Ser Leu Gly Lys Thr Asn Glu Gln Ser Pro	
260 265 270	
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His Ser Gln Ile His His Ser Thr Pro Ile Arg Asn Gln Val Pro Ala	
275 280 285	
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Leu Gln Pro Ile Met Ser Pro Gly Leu Leu Ser Pro Gln Leu Ser Pro	
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Gln Leu Val Arg Gln Gln Ile Ala Met Ala His Leu Ile Asn Gln Gln	
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ata gcc gtt agc cga ctc ctg gct cac cag cat cct caa gcc atc aac	1008
Ile Ala Val Ser Arg Leu Leu Ala His Gln His Pro Gln Ala Ile Asn	
325 330 335	
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Gln Gln Phe Leu Asn His Pro Pro Ile Pro Arg Ala Val Lys Pro Glu	
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Pro Thr Asn Ser Ser Val Glu Val Ser Pro Asp Ile Tyr Gln Gln Val	
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Arg Asp Glu Leu Lys Arg Ala Ser Val Ser Gln Ala Val Phe Ala Arg	
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Val Ala Phe Asn Arg Thr Gln Gly Leu Leu Ser Glu Ile Leu Arg Lys	
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Glu Glu Asp Pro Arg Thr Ala Ser Gln Ser Leu Leu Val Asn Leu Arg	
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Ala Met Gln Asn Phe Leu Asn Leu Pro Glu Val Glu Arg Asp Arg Ile	
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Tyr Gln Asp Glu Arg Glu Arg Ser Met Asn Pro Asn Val Ser Met Val	
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Ser Ser Ala Ser Ser Ser Pro Ser Ser Ser Arg Thr Pro Gln Ala Lys	
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acc tcg aca ccg aca aca gac ctc cct att aag gtg gac ggc gcc aac	1440
Thr Ser Thr Pro Thr Thr Asp Leu Pro Ile Lys Val Asp Gly Ala Asn	
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Val Asn Ile Thr Ala Ala Ile Tyr Asp Glu Ile Gln Gln Glu Met Lys	
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Arg Ala Lys Val Ser Gln Ala Leu Phe Ala Lys Val Ala Ala Asn Lys	
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Ser Gln Gly Trp Leu Cys Glu Leu Leu Arg Trp Lys Glu Asn Pro Ser	
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Pro Glu Asn Arg Thr Leu Trp Glu Asn Leu Cys Thr Ile Arg Arg Phe	
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Arg His His His Ser Glu Arg Met Gln His Val Val Gln Leu Pro Pro	
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Glu Pro Val Gln Val Leu His Arg Gln Gln Ser Gln Pro Thr Lys Glu	
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gcc	ctg	ggc	atc	ctt	caa	agc	ttc	atc	cat	gat	gta	ggc	ctc	tat	ccc	1920
Ala	Leu	Gly	Ile	Leu	Gln	Ser	Phe	Ile	His	Asp	Val	Gly	Leu	Tyr	Pro	
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gac	cag	gaa	gcc	atc	cac	aca	ctc	tcc	gcc	cag	ctg	gat	ctc	ccc	aaa	1968
Asp	Gln	Glu	Ala	Ile	His	Thr	Leu	Ser	Ala	Gln	Leu	Asp	Leu	Pro	Lys	
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cac	acc	atc	atc	aag	ttc	ttc	cag	aac	cag	agg	tac	cac	gtg	aag	cac	2016
His	Thr	Ile	Ile	Lys	Phe	Phe	Gln	Asn	Gln	Arg	Tyr	His	Val	Lys	His	
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Tyr	Lys	Asp	Glu	Glu	Leu	Leu	Thr	Glu	Ser	Glu	Glu	Asn	Asp	Ser	Glu	
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Glu	Gly	Ser	Glu	Glu	Met	Tyr	Lys	Val	Glu	Ala	Glu	Glu	Glu	Asn	Ala	
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gac	aaa	agc	aag	gca	gca	cct	gcc	gaa	att	gac	cag	aga	taa			2202
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Arg	Leu	Glu	Gln	Asn	Gly	Ser	Pro	Met	Gly	Ala	Arg	Gly	Arg	Pro	Asn
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Gly	Ala	Val	Ala	Lys	Ala	Val	Gly	Gly	Leu	Met	Ile	Pro	Val	Phe	Cys
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Val Glu Thr Ala Leu Leu Ala Leu Gly Tyr Ser His Ser Ser Ala Ala		
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Gln Ala Gln Gly Ile Ile Lys Leu Gly Arg Trp Asn Pro Leu Pro Leu		
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Ser Tyr Val Thr Asp Ala Pro Asp Ala Thr Val Ala Asp Met Leu Gln		
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Asp Val Tyr His Val Val Thr Leu Lys Ile Gln Leu Gln Ser Cys Ser		
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Lys Leu Glu Asp Leu Pro Ala Glu Gln Trp Asn His Ala Thr Val Arg		
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Asn Ala Leu Lys Glu Leu Leu Lys Glu Met Asn Gln Ser Thr Leu Ala		
	180	185 190
Lys Glu Cys Pro Leu Ser Gln Ser Met Ile Ser Ser Ile Val Asn Ser		
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Thr Tyr Tyr Ala Asn Val Ser Ala Thr Lys Cys Gln Glu Phe Gly Arg		
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Trp Tyr Lys Lys Tyr Lys Lys Ile Lys Val Glu Arg Val Glu Arg Glu		
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Asn Leu Ser Asp Tyr Cys Val Leu Gly Gln Arg Pro Met His Leu Pro		
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His Ser Gln Ile His His Ser Thr Pro Ile Arg Asn Gln Val Pro Ala		
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Tyr Gln Asp Glu Arg Glu Arg Ser Met Asn Pro Asn Val Ser Met Val				
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Ser Ser Ala Ser Ser Ser Pro Ser Ser Ser Arg Thr Pro Gln Ala Lys				
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Thr Ser Thr Pro Thr Thr Asp Leu Pro Ile Lys Val Asp Gly Ala Asn				
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Val Asn Ile Thr Ala Ala Ile Tyr Asp Glu Ile Gln Gln Glu Met Lys				
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Asp Gln Glu Ala Ile His Thr Leu Ser Ala Gln Leu Asp Leu Pro Lys				
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660

665

670

His Gly Lys Leu Lys Glu His Leu Gly Ser Ala Val Asp Val Ala Glu  
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Tyr Lys Asp Glu Glu Leu Leu Thr Glu Ser Glu Glu Asn Asp Ser Glu  
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